

CLAIMS

1. A copper alloy having a high recrystallization temperature and good conductivity used in brazed heat exchangers, **characterized** in that the alloy
5 contains 0.1 to 0.3 % by weight chromium.
2. The copper alloy of claim 1, **characterized** in that the alloy contains 0.15 to 0.25 % by weight chromium.
- 10 3. The copper alloy of claim 1 or 2, **characterized** in that the recrystallization temperature of the alloy is at least 625 °C.
4. The copper alloy of claim 1, 2 or 3, **characterized** in that the electrical conductivity of the alloy is at least 90 % IACS after brazing.
- 15 5. A method for the manufacture of an alloy of anyone of the proceeding claims, **characterized** in that the method contains the following steps:
 - a) casting,
 - b) cold working,
 - 20 c) annealing and
 - d) another cold working.
6. A method according to claim 5, **characterized** in that the casting is carried out as a continuous strip casting.
- 25 7. A method according to claim 5 or 6, **characterized** in that at least one of the cold working steps is carried out by rolling.
8. A method according to claim 5, 6 or 7, **characterized** in that the annealing is
30 carried out by a strand annealing.

9. A method according to claim 8, **characterized** in that the annealing is carried out at a temperature of from 700 to 900 °C.
10. A method according to claim 8, **characterized** in that the annealing time is
5 from 0.01 to 30 seconds.
11. A shaped metal article which comprises an alloy as claimed in any-one of claims 1 to 4 which has been brazed.
- 10 12. A method of manufacturing a shaped metal article which comprises brazing an alloy as claimed in any one of the claims 1 to 4.
13. A heat exchanger comprising a shaped metal article as claimed in claim 11 or as manufactured according to claim 12.
15
14. An alloy of copper and chromium substantially as hereinbefore described in the Example.
15. A method of manufacturing an alloy substantially as hereinbefore described
20 in the Example.